

## ABSTRACT

A fluoropolymer producing method which comprises  
5 polymerizing a radical polymerizable monomer in a manner of  
continuous polymerization to give the fluoropolymer,  
wherein the defined reaction-field is in a  
supercriticality-expression state and under a pressure of not  
higher than 40 MPa and a temperature of not higher than that  
10 higher by 100°C than the supercriticality-expression  
temperature of the defined reaction-field,  
said radical polymerizable monomer comprises a  
fluorine-containing ethylenic monomer, and  
said fluoropolymer has a weight average molecular weight  
15 [Mw] of not lower than 150,000 as determined on the polystyrene  
equivalent basis and  
a ratio [Mw/Mn] of the weight average molecular weight [Mw]  
on the polystyrene equivalent basis to a number average  
molecular weight [Mn] of the fluoropolymer on the polystyrene  
20 equivalent basis is higher than 1 but not higher than 3.